



#16

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Suhrbier, et al.

Serial No.: 09/576,101

Filed: May, 22 2000

For: POLYPEPTIDE VACCINES

Group Art Unit: 1644

Examiner: Huynh, P. N.

Atty. Dkt. No.: FBRC:004USC1/TMB

Appendix D

SUBSTITUTE DRAWINGS SHEETS 1/29 THROUGH 29/29



1/29

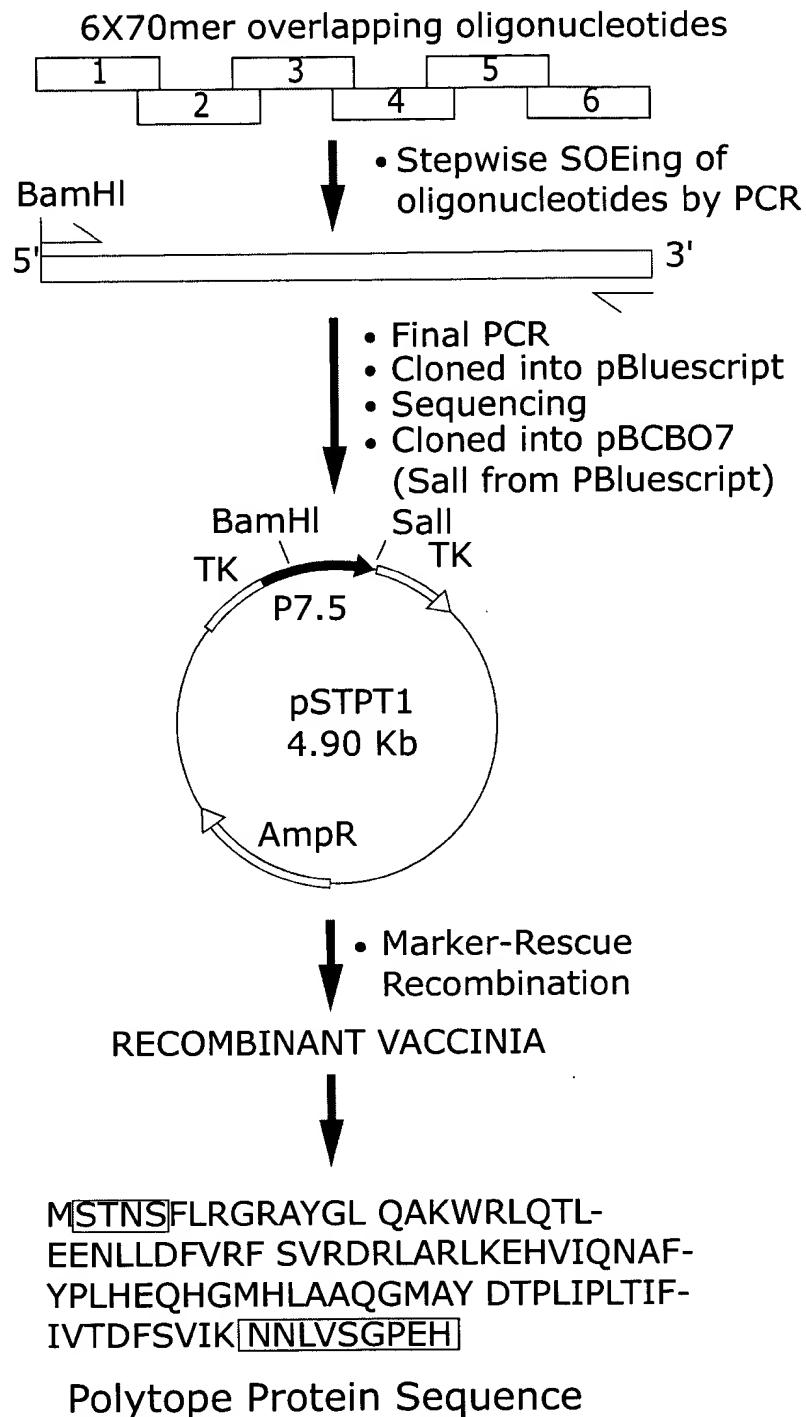
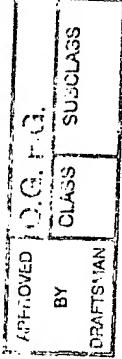


FIGURE 1



NOV 25 2002

2/29

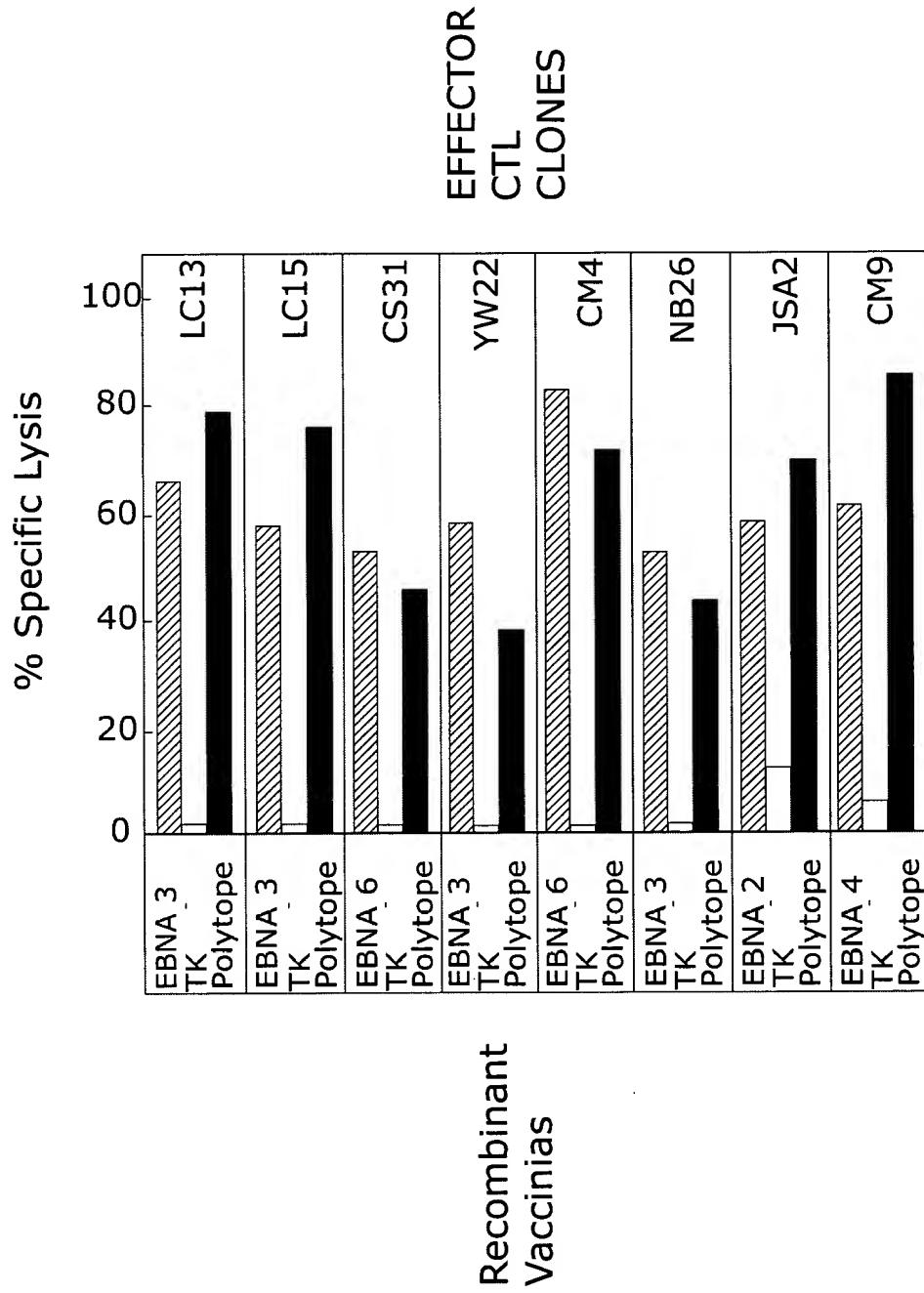
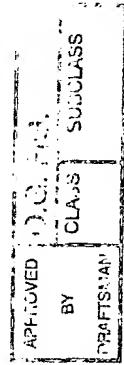


FIGURE 2



3/29

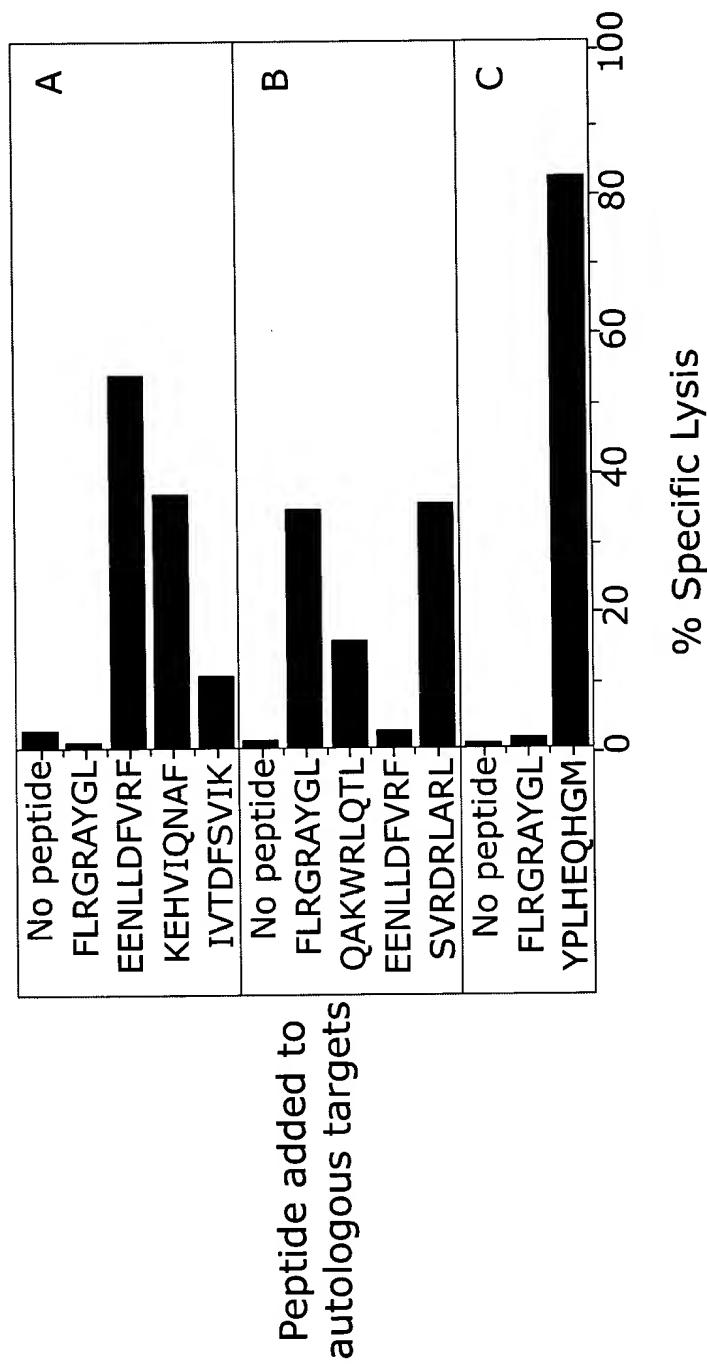
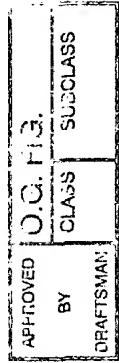


FIGURE 3



4/29

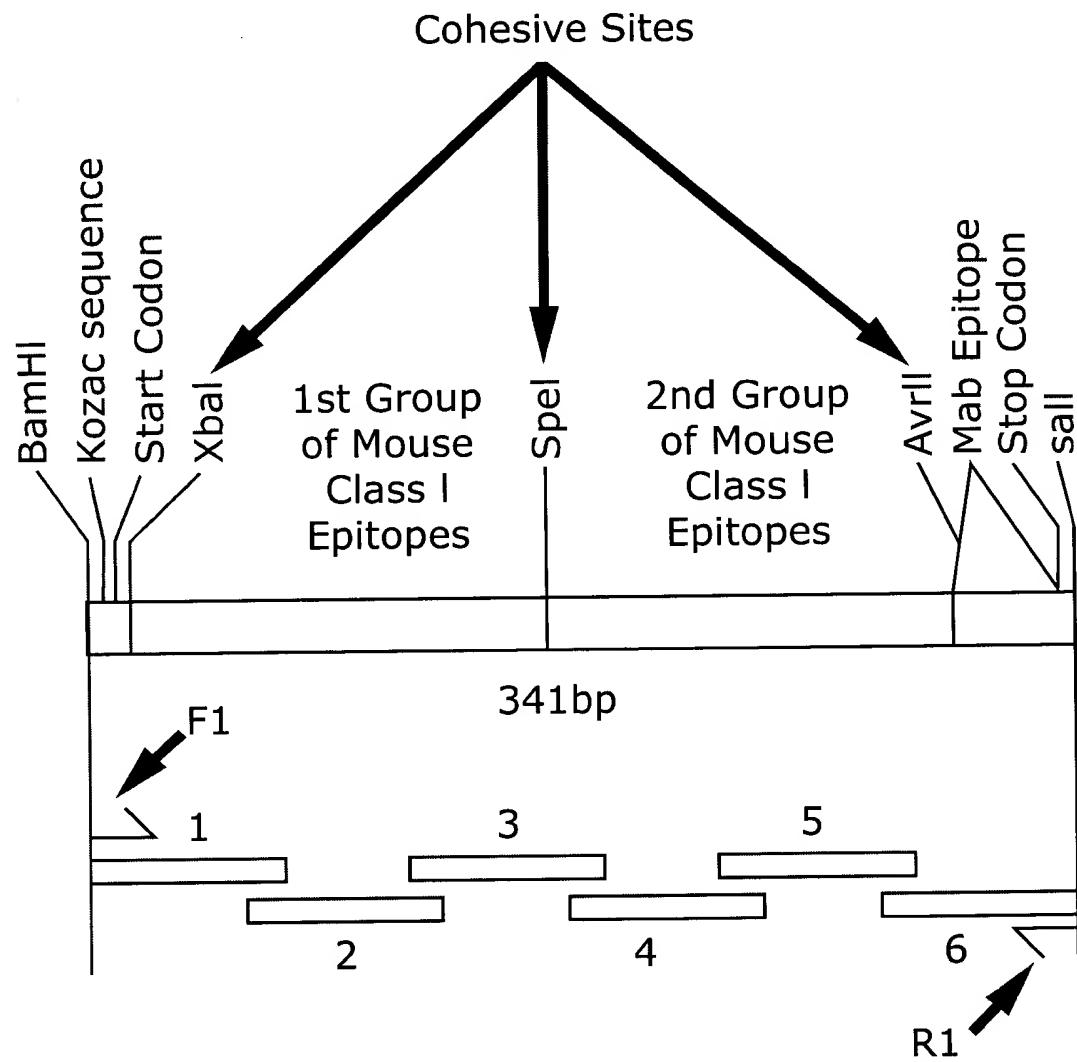


FIGURE 4

APPROVED	O. G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



BamHI Kozac
GGATCC CCACC

Start XbaI

M SR A S N E N M D A M
ATG TCTAGA

T Y Q R T R A L V
ACC TAC CAG AGG ACC AGG GCC CTG GTG

S I I N F E K L
AGC ATC ATC AAC TTC GAG AAG CIT

SpeI T S S G P S N T P P E I
ACTAGT AGT GGG CCC AGT AAC ACC CCG CCA GAG ATC

F A P G N Y P A L
TTC GCC CCA GGC AAC TAC CCT GCC CTG

S Y I P S A E K I
AGC TAC ATC CCA AGC GCC GAG AAG ATC

AvrII P R E E G A I V G E I
GAG AGA GGG GCC ATC GTG GGC GAG ATC

Mab epitope Stop Sall
CCTAGG N N L V S G P E H L Z
AAC AAC CTG GTG TCC GGC CCC GAG GAC TTA TAG GTCGAC

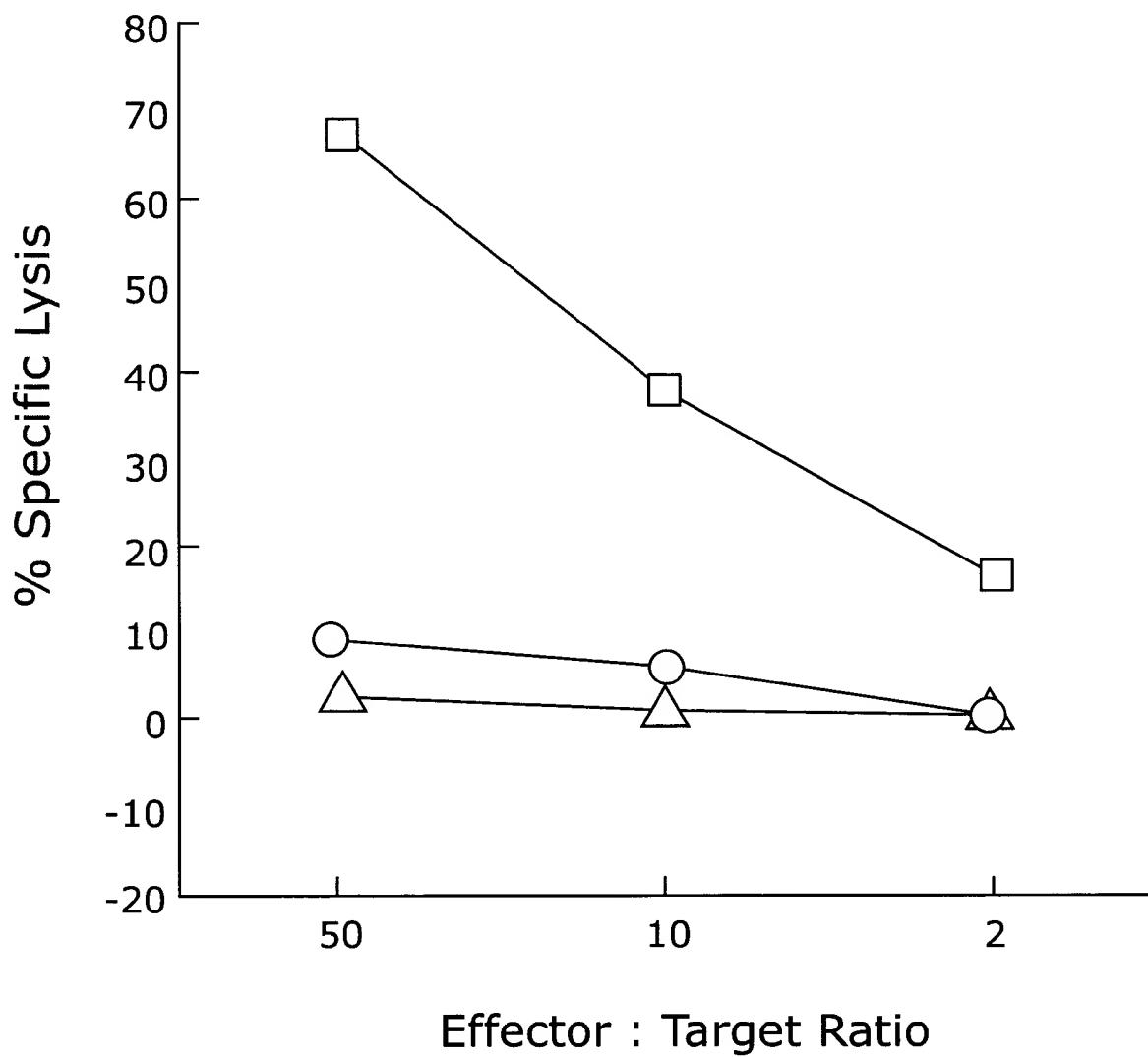
5/29

FIGURE 5



6/29

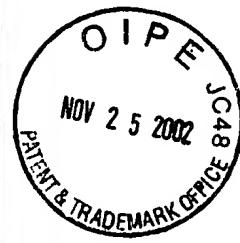
Flu NP "TYQRTRALV" (H-2K^d)



LEGEND

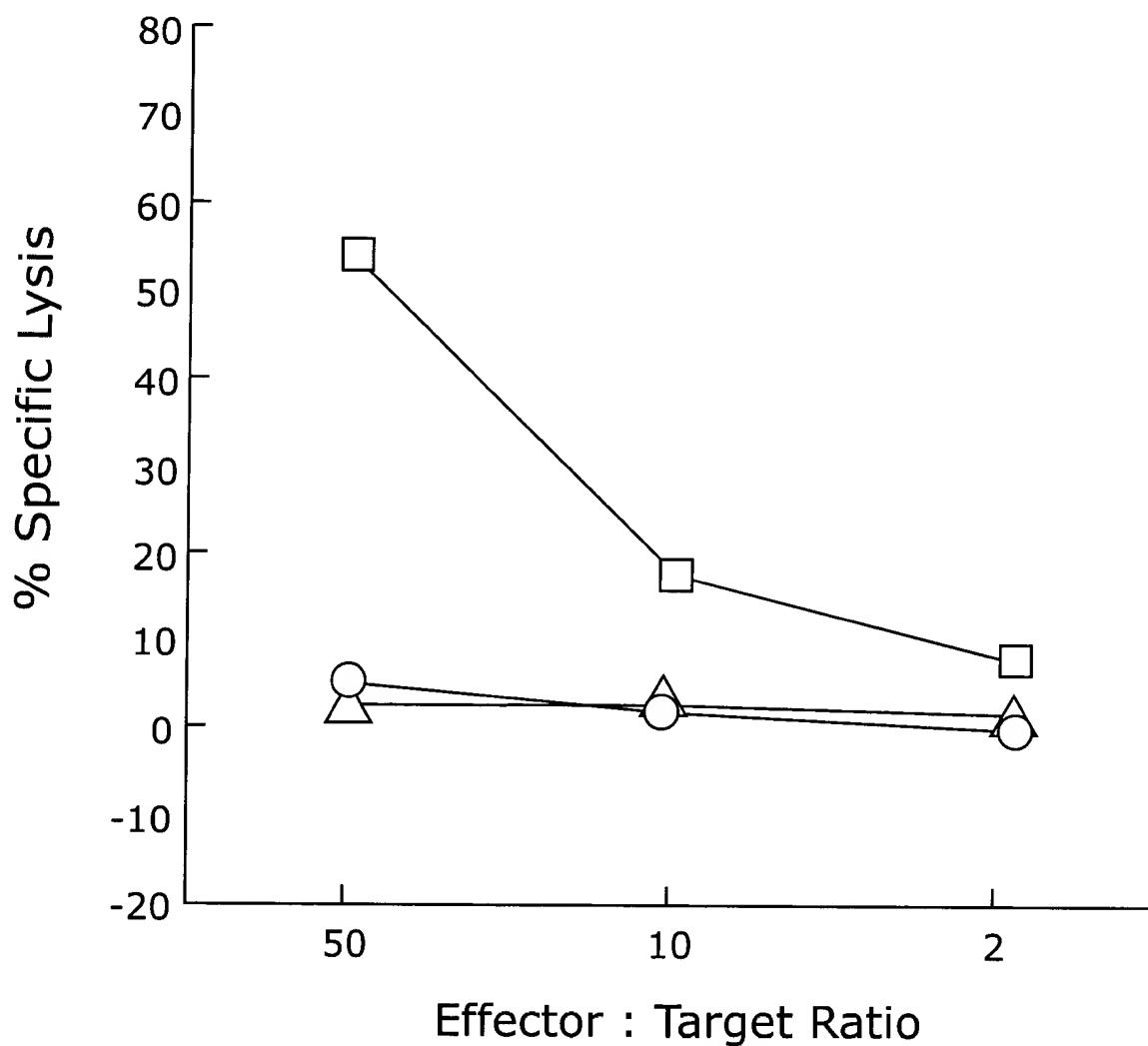
- Bulk Splenocytes from Polytope Vaccinated Mice
- △ No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6A



7/29

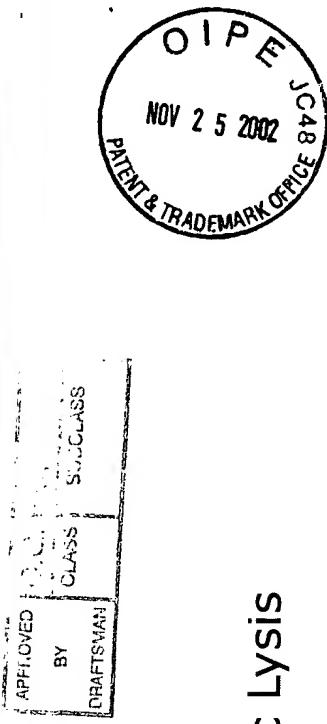
PB csp "SYIPSAEKI" (H-2K^d)



LEGEND

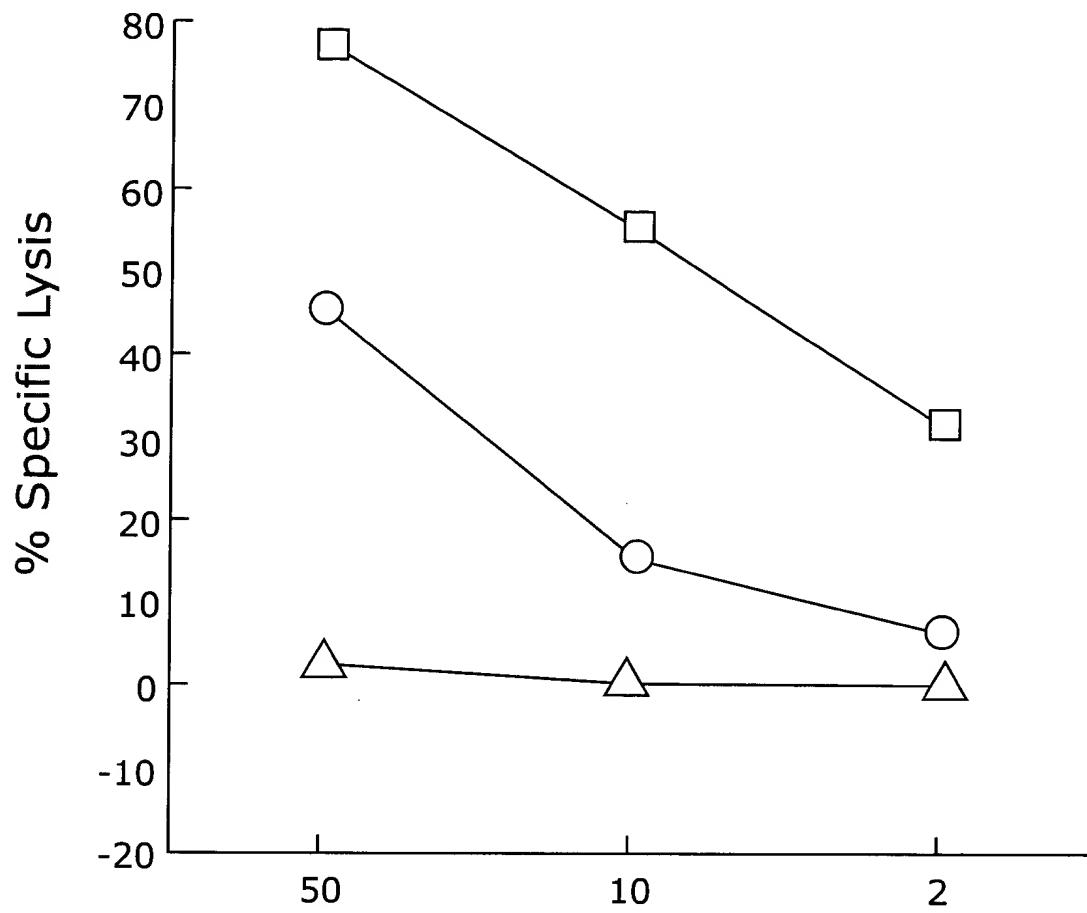
- Bulk Splenocytes from Polytope Vaccinated Mice
- △— No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6B



8/29

MCMV pp89 "YPHFMPTNL" (H-2L^d)



Effector : Target Ratio

LEGEND

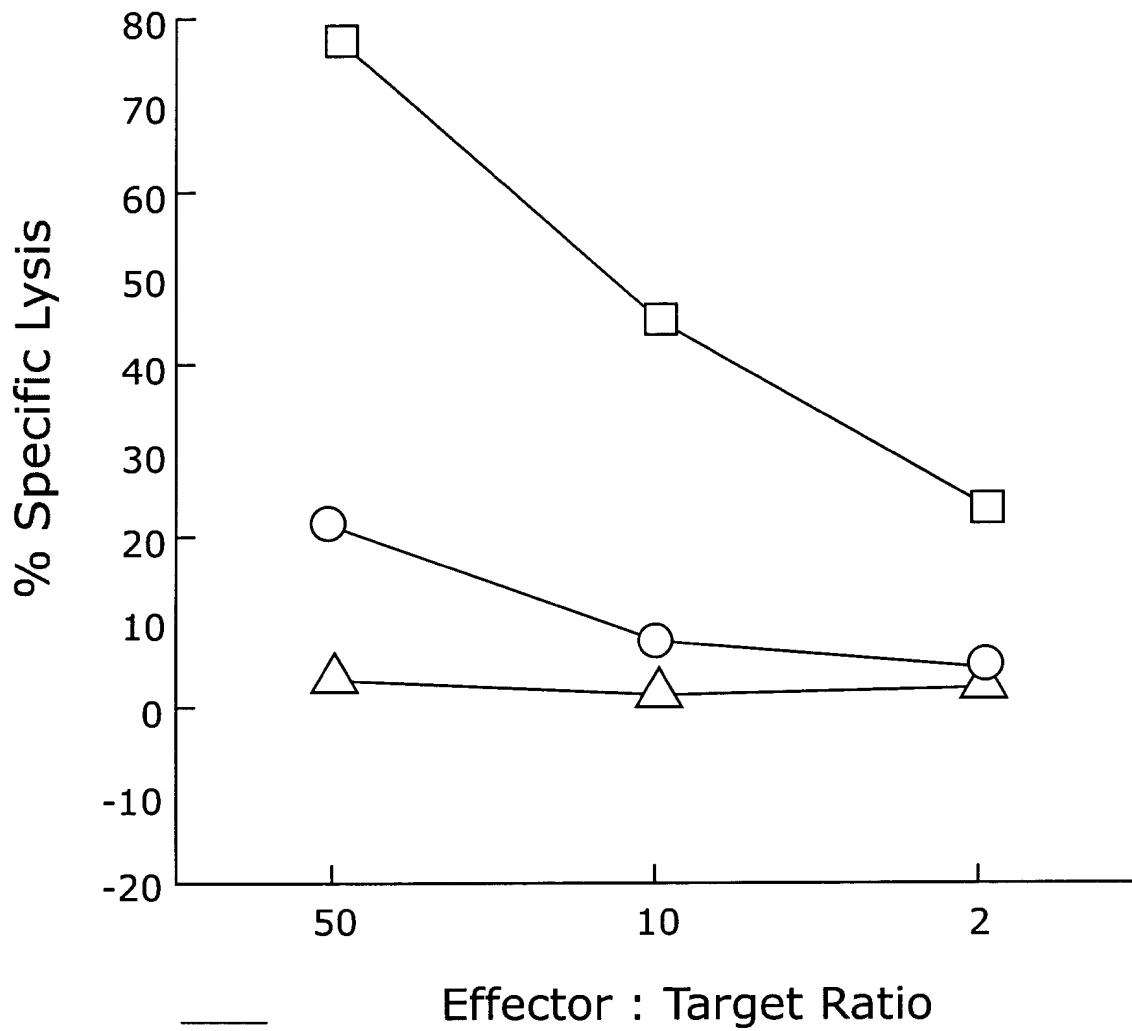
- Bulk Splenocytes from Polytope Vaccinated Mice
- △— No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6C



9/29

LCMV NP "RPQASGVYM" (H-2K^d)



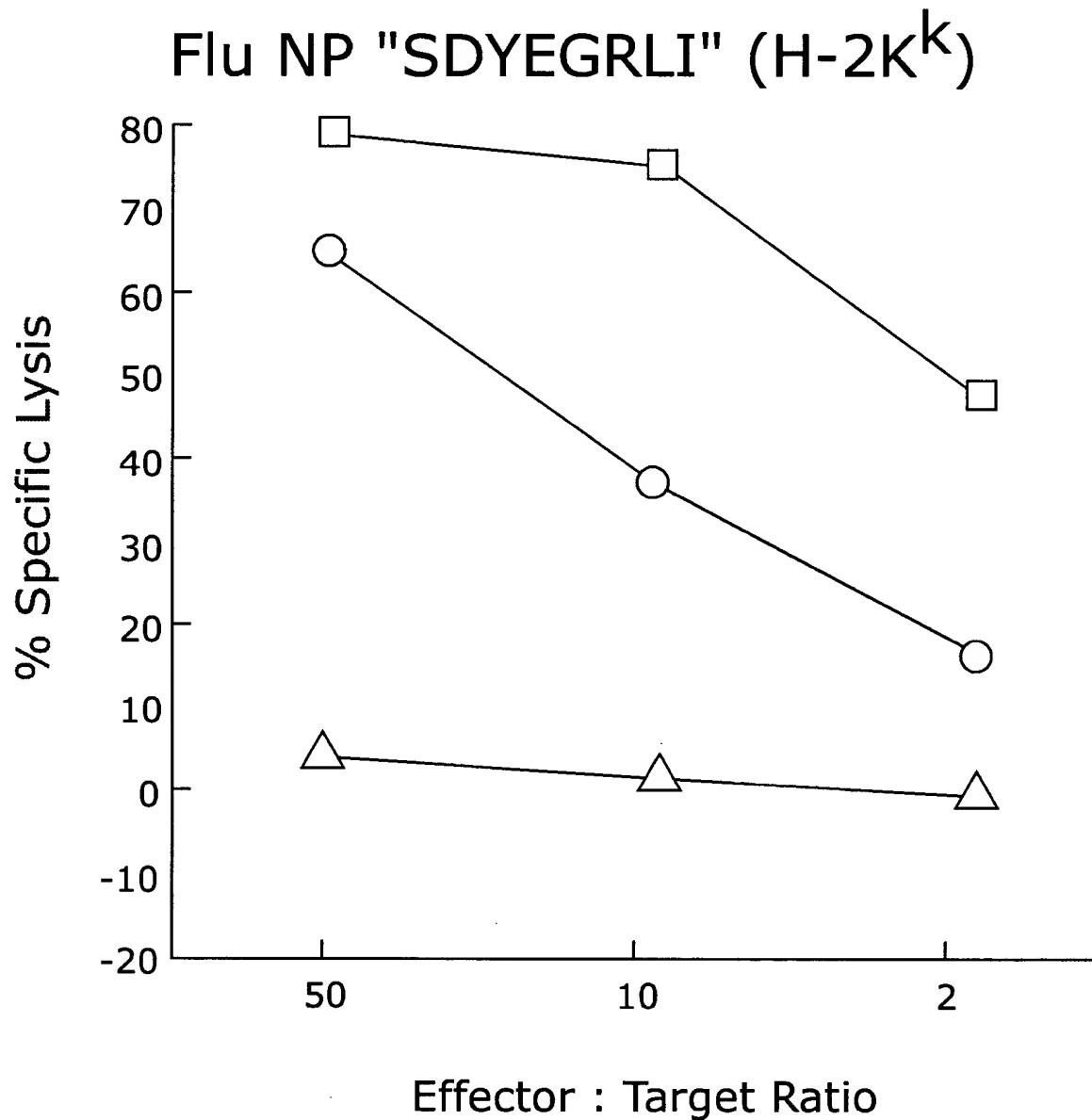
LEGEND

- Bulk Splenocytes from Polytope Vaccinated Mice
- △ No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6D



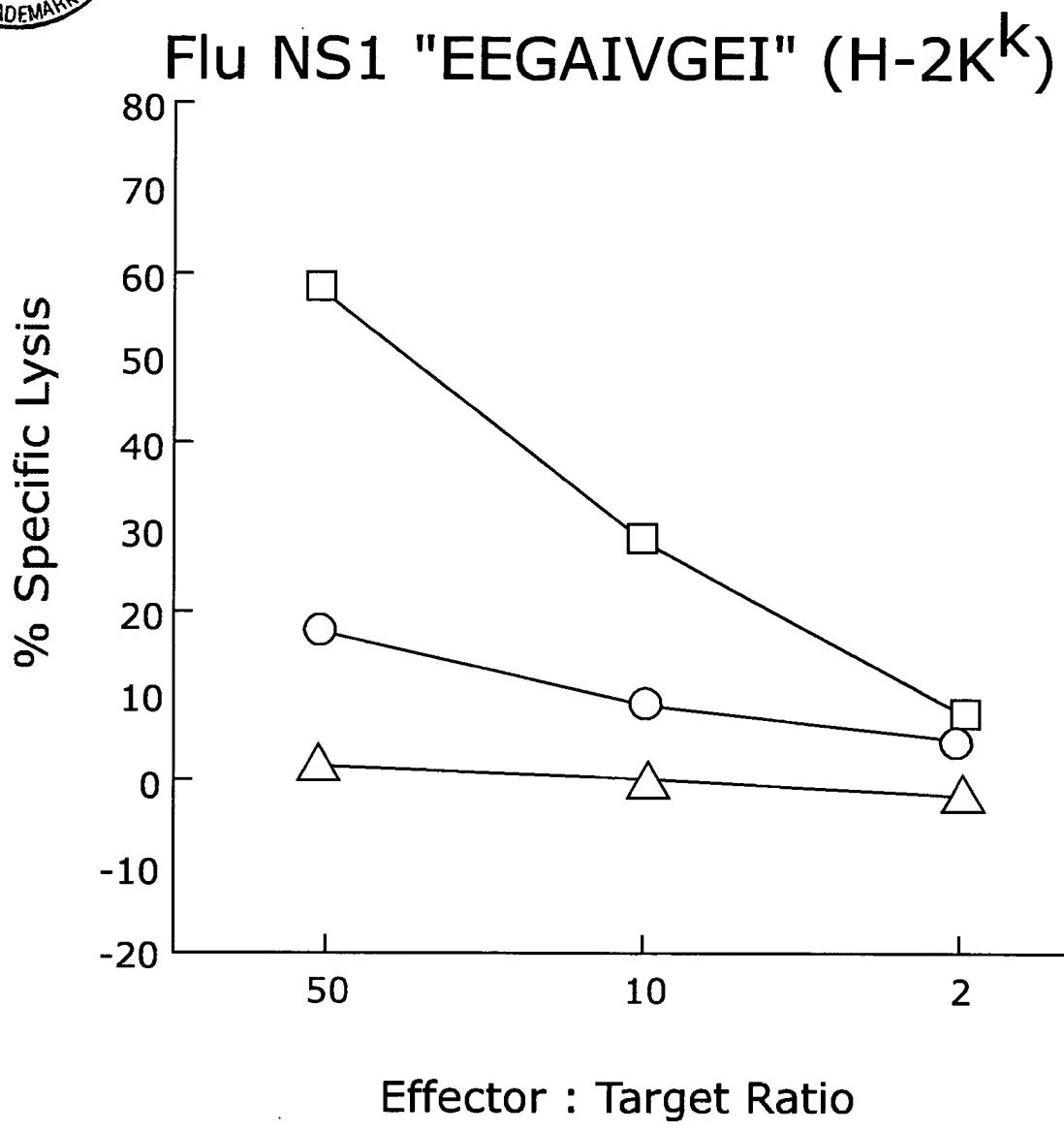
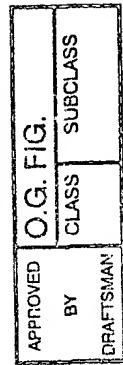
10/29



LEGEND

- Bulk Splenocytes from Polytope Vaccinated Mice
- △ No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6E



LEGEND

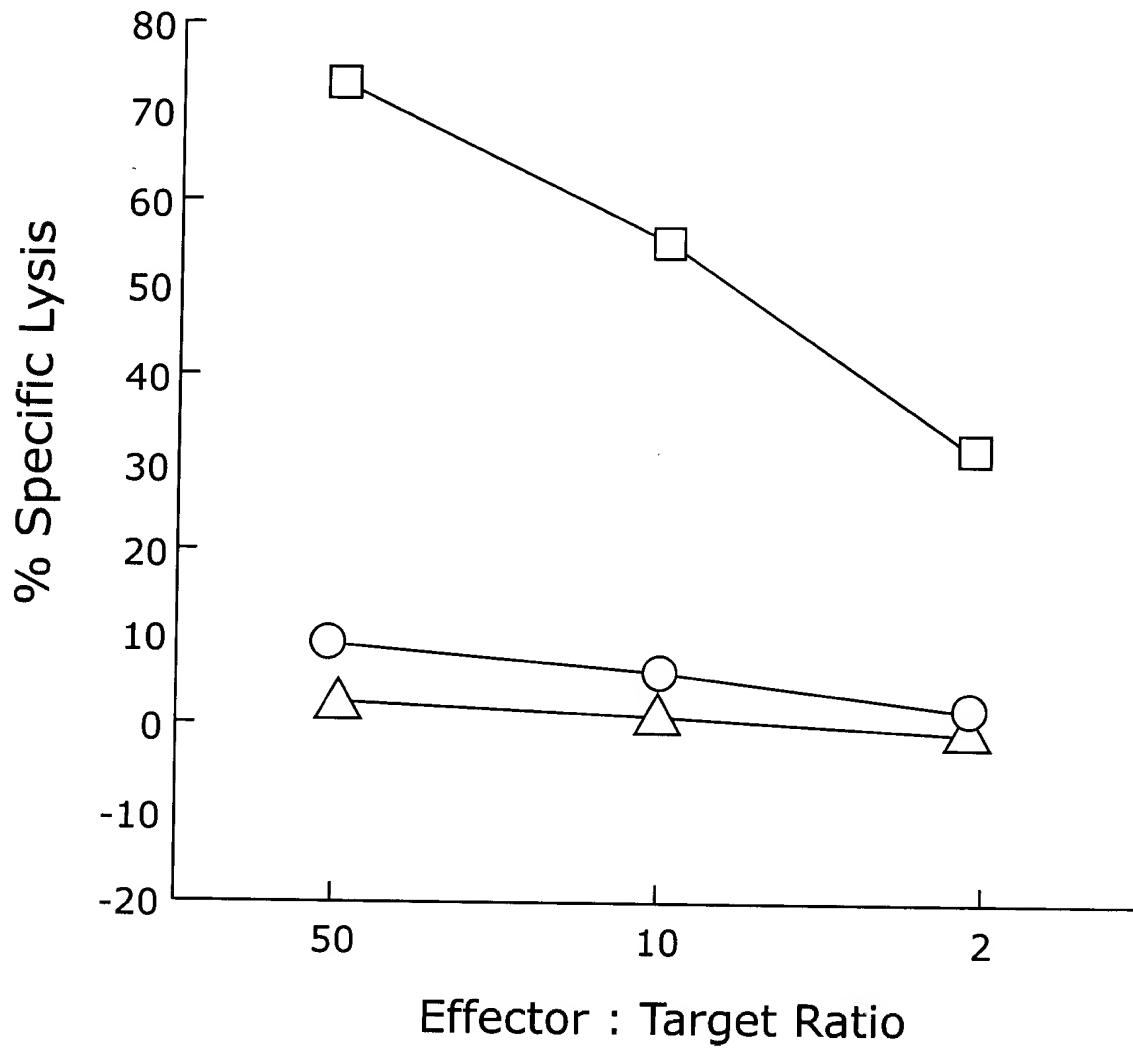
- Bulk Splenocytes from Polytope Vaccinated Mice
- △— No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6F



12/29

Flu NP "ASNENMDAM" (H-2D^b)



LEGEND

- Bulk Splenocytes from Polytope Vaccinated Mice
- △ No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6G



13/29

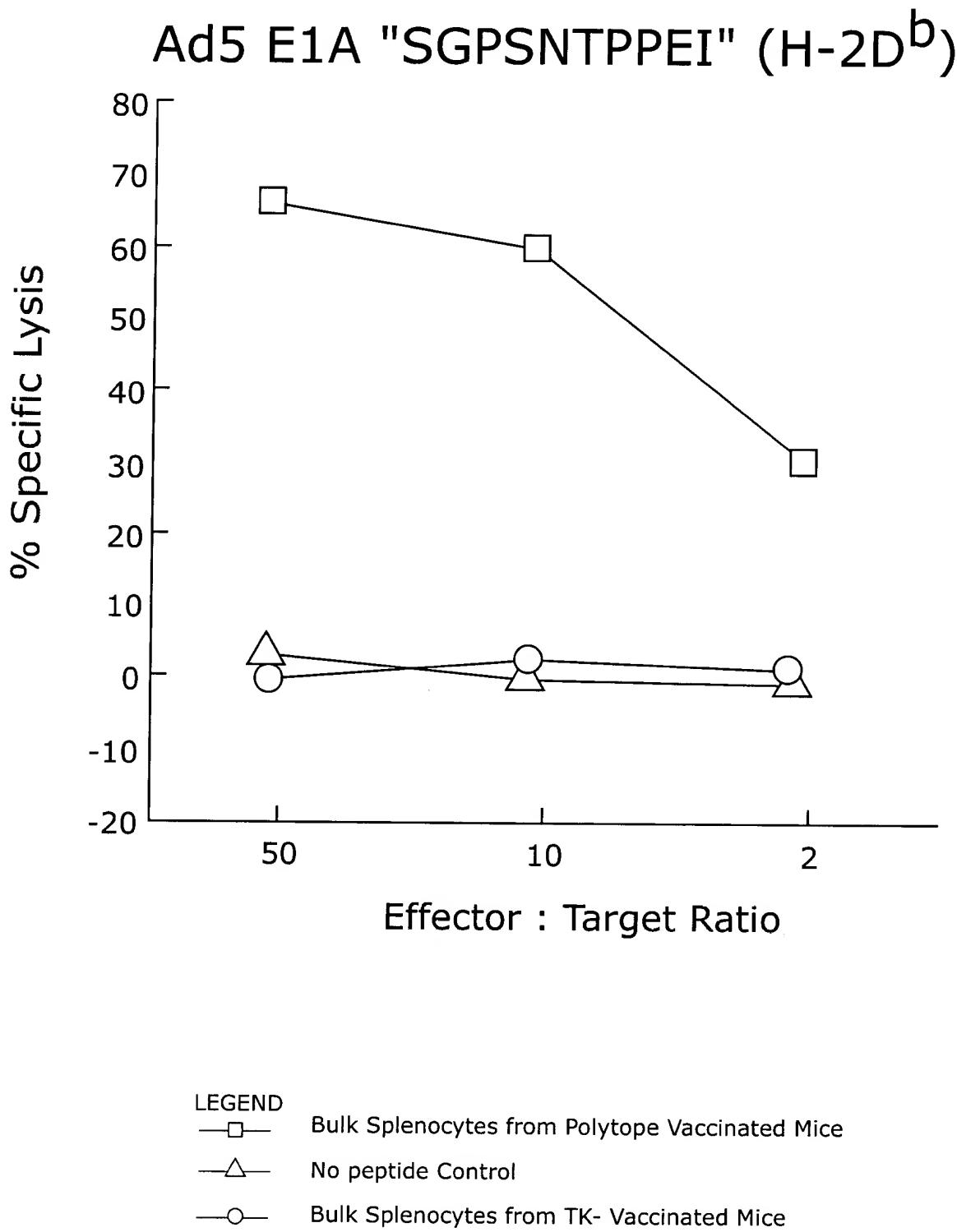
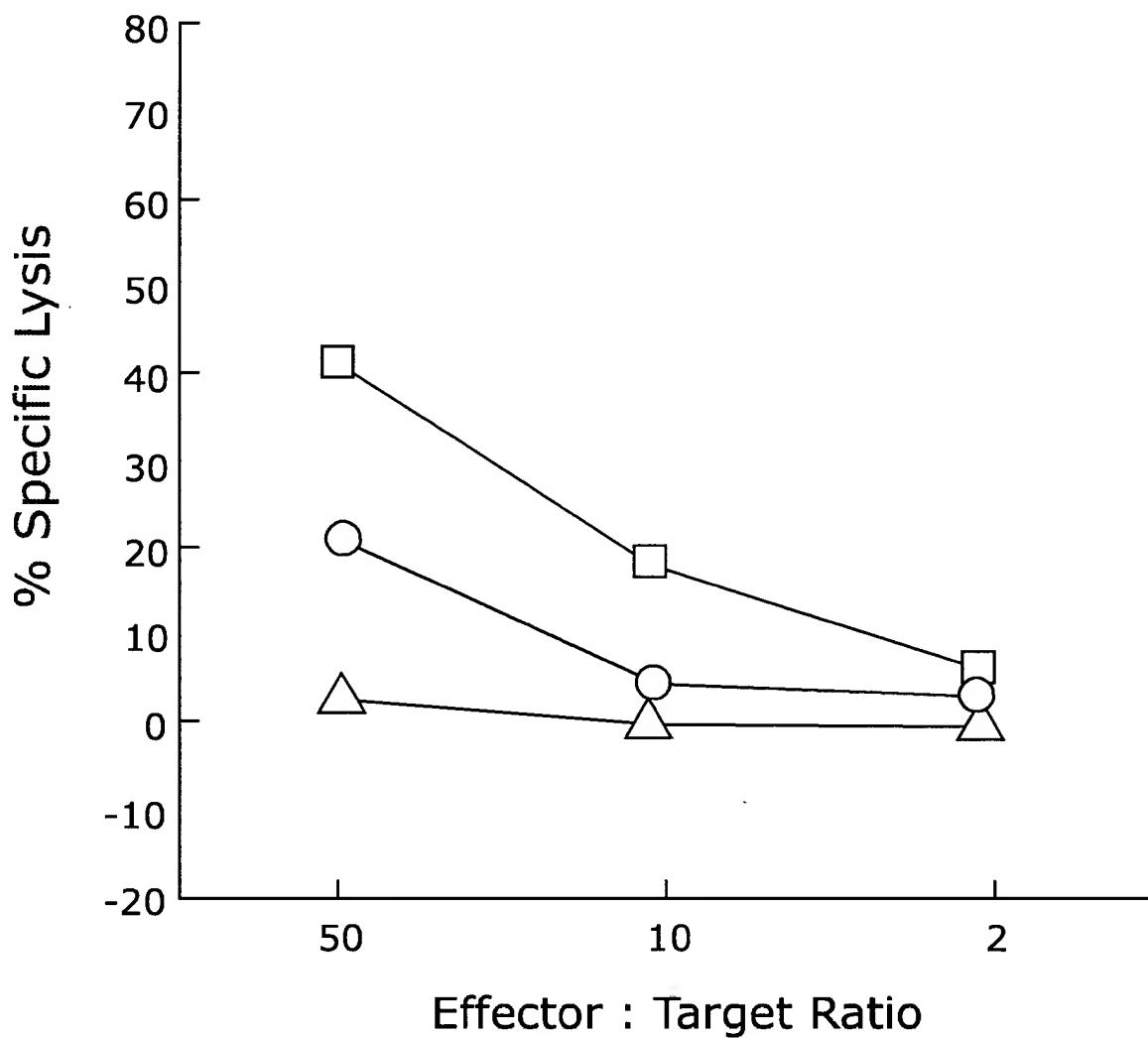
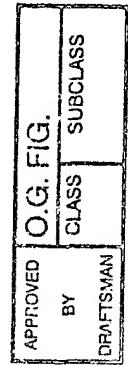


FIGURE 6H



14/29

Ovalbumin "SIINFEKL" (H-2K^b)



LEGEND

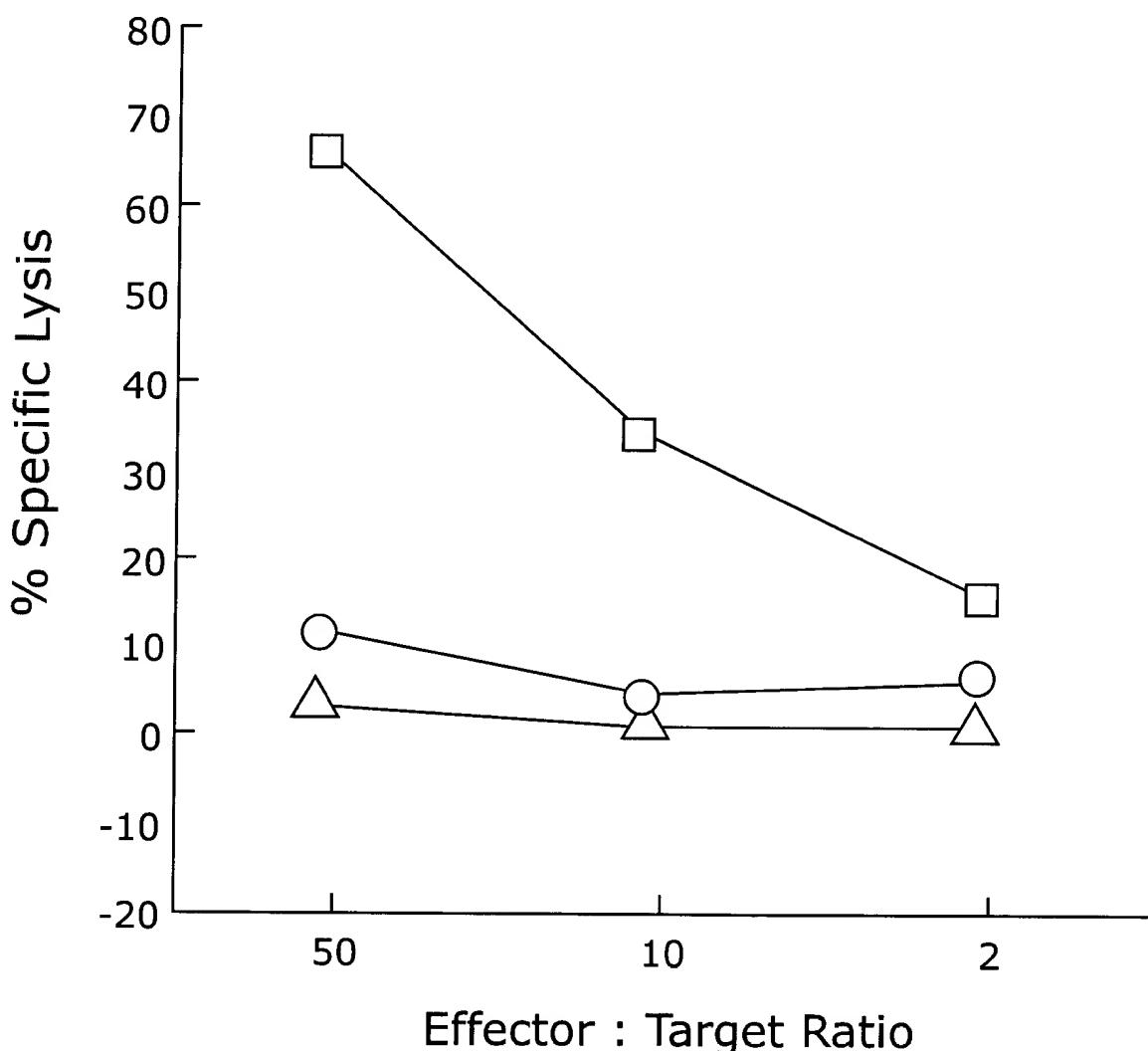
- Bulk Splenocytes from Polytope Vaccinated Mice
- △— No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6I



15/29

Sendi NP "FAPGNYPAL" (H-2K^b)



LEGEND

- Bulk Splenocytes from Polytope Vaccinated Mice
- △— No peptide Control
- Bulk Splenocytes from TK- Vaccinated Mice

FIGURE 6J



16/29

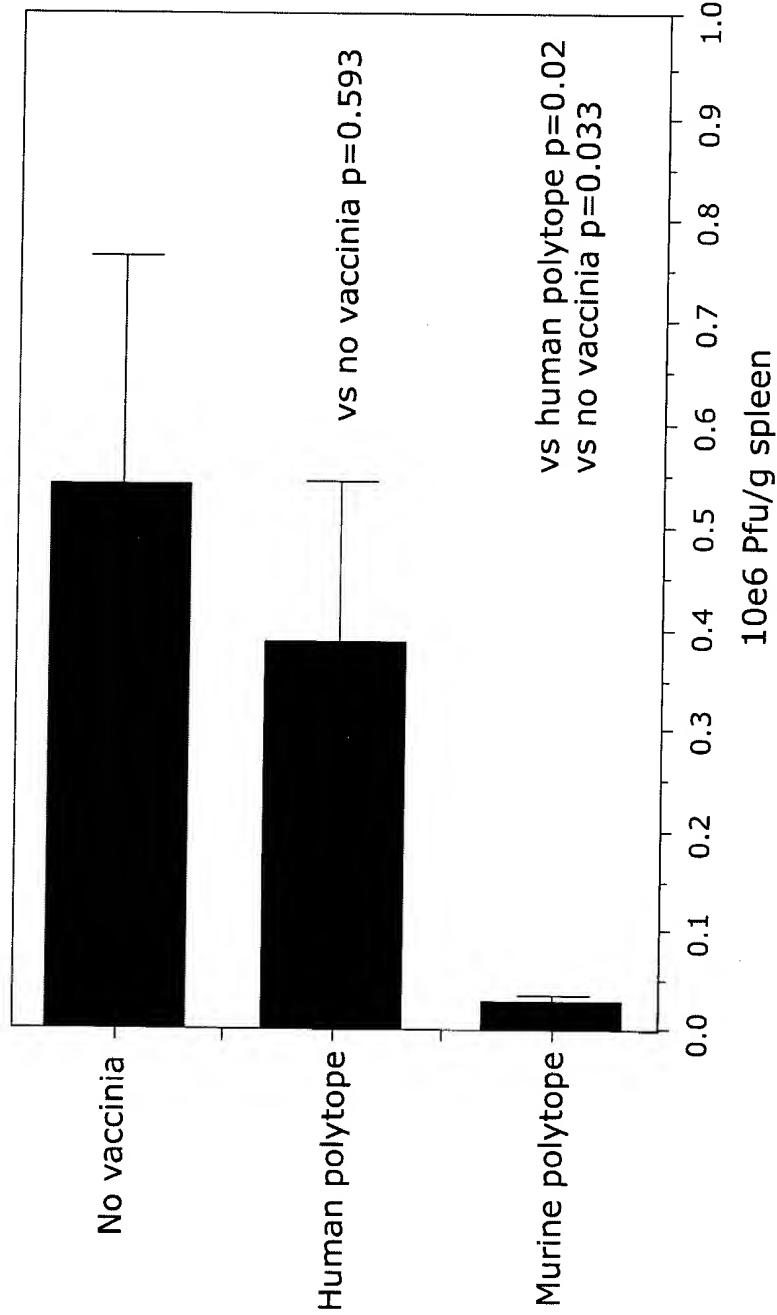


FIGURE 7



17/29

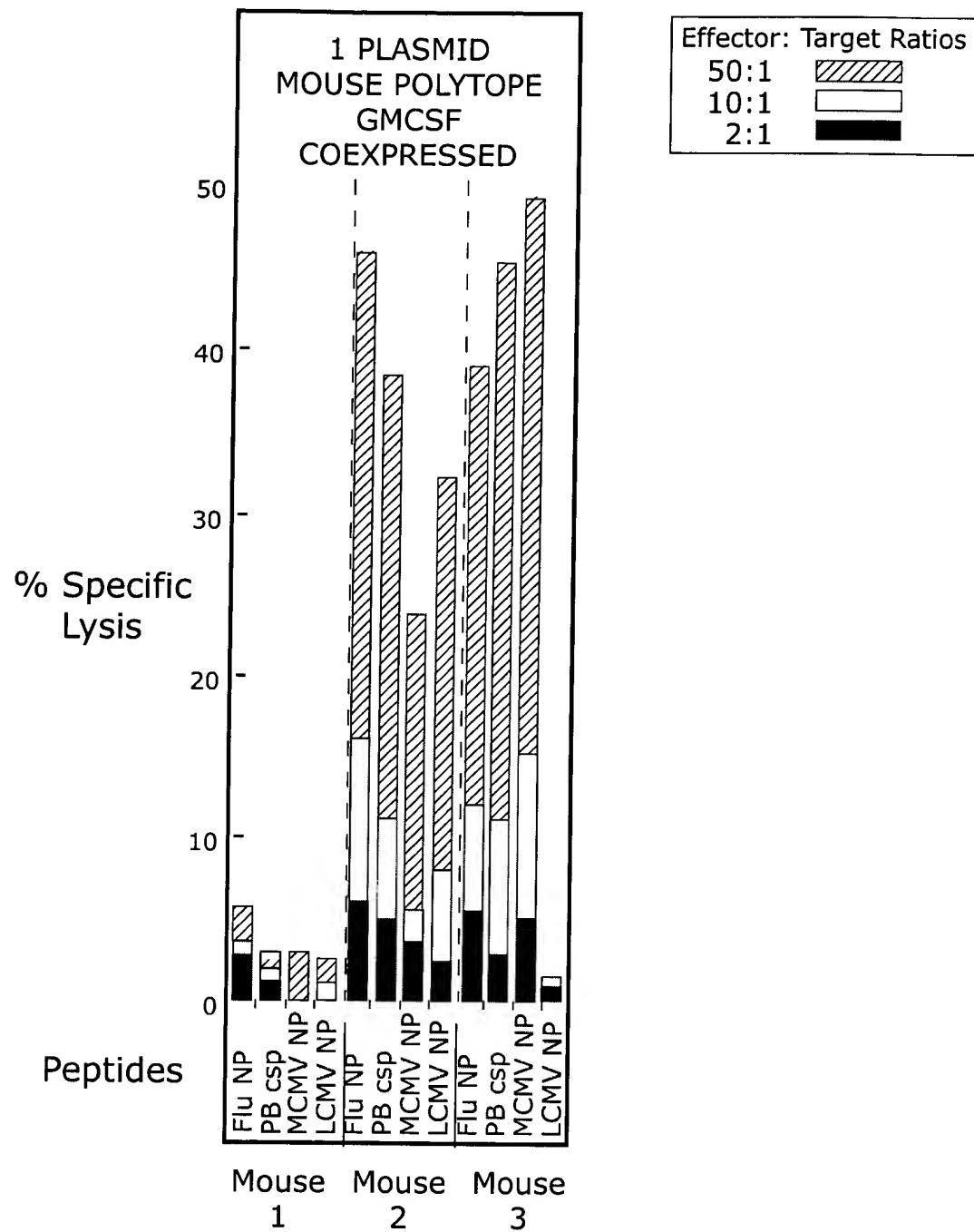


FIGURE 8a



18/29

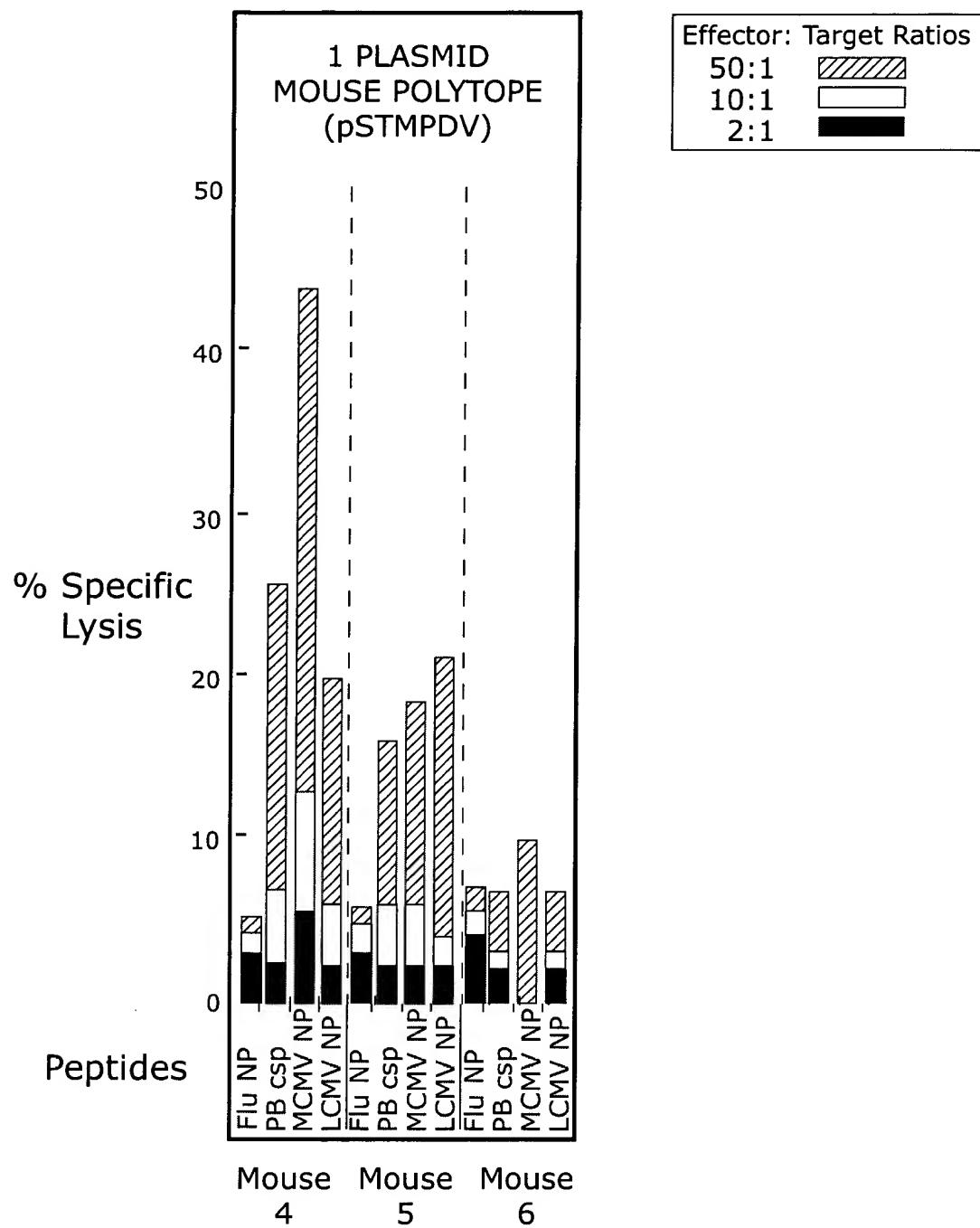


FIGURE 8b



19/29

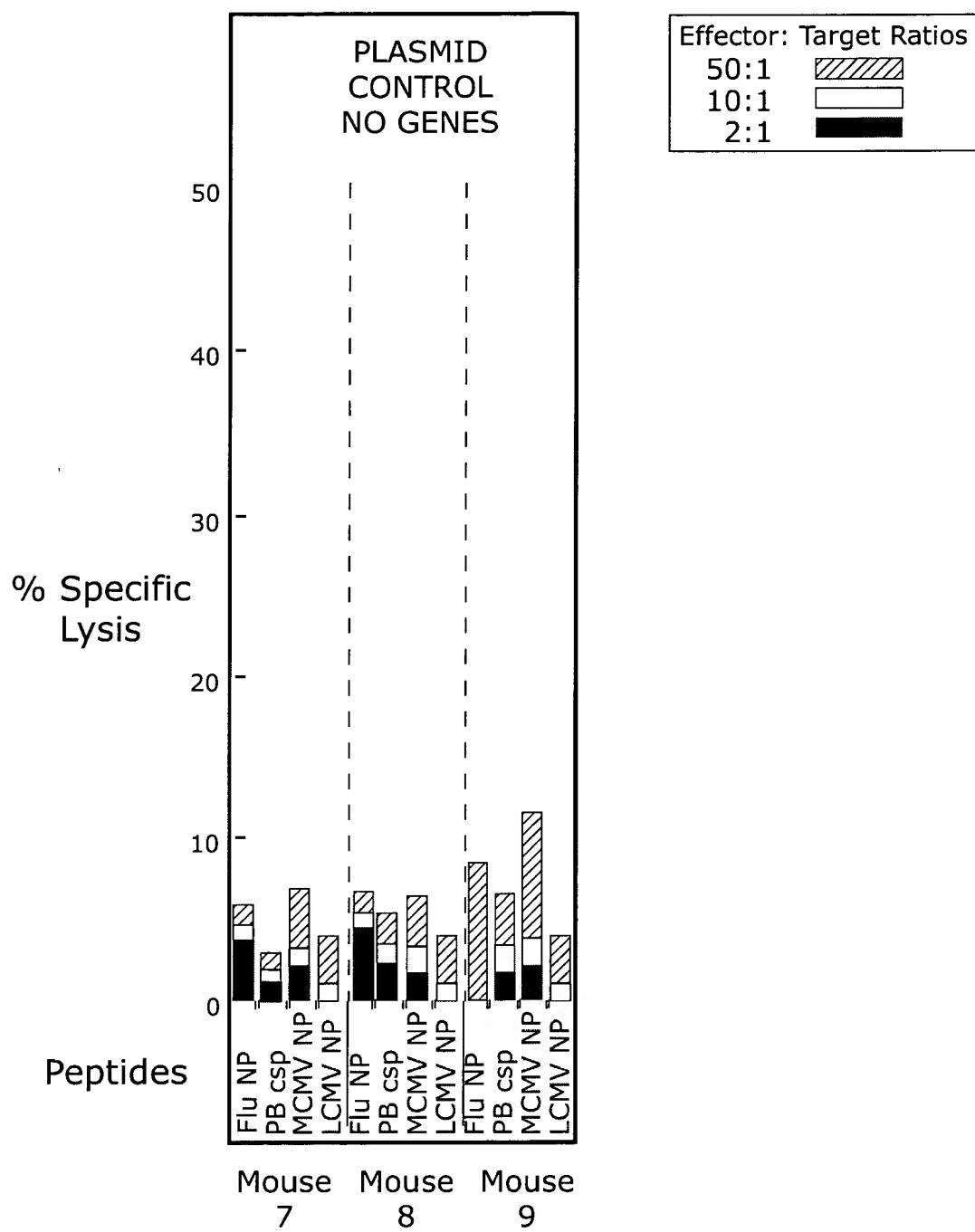
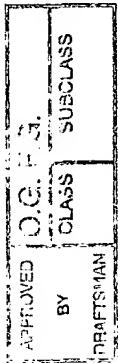
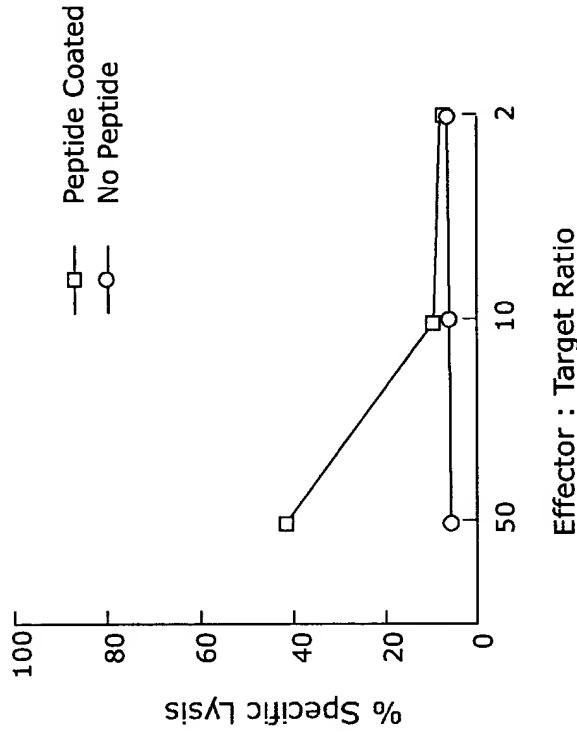


FIGURE 8c



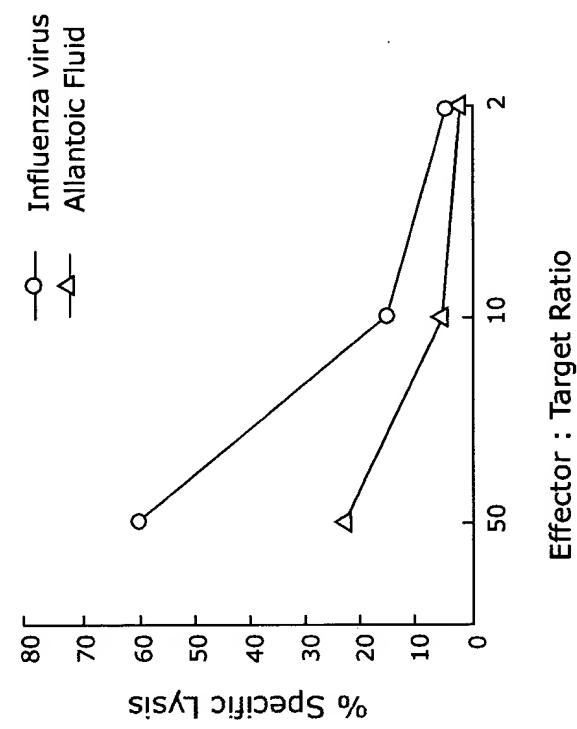
PEPTIDE COATED TARGETS

A Influenza NP "TYQTRALV"



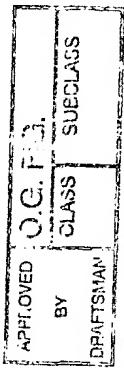
VIRUS INFECTED TARGETS

A¹ Influenza Infected Targets



20/29

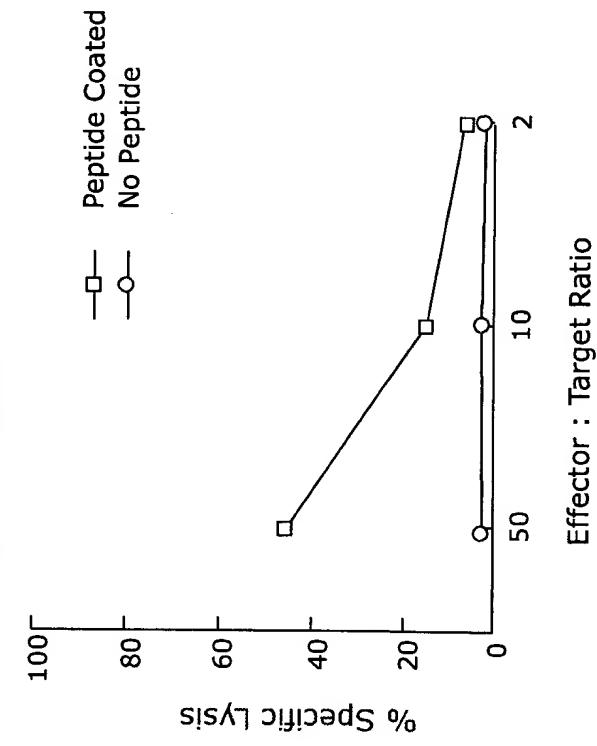
FIGURE 9a



PEPTIDE COATED TARGETS

VIRUS INFECTED TARGETS

B PB csp "SYIPSAEKI"



B ¹Vaccinia Infected Targets

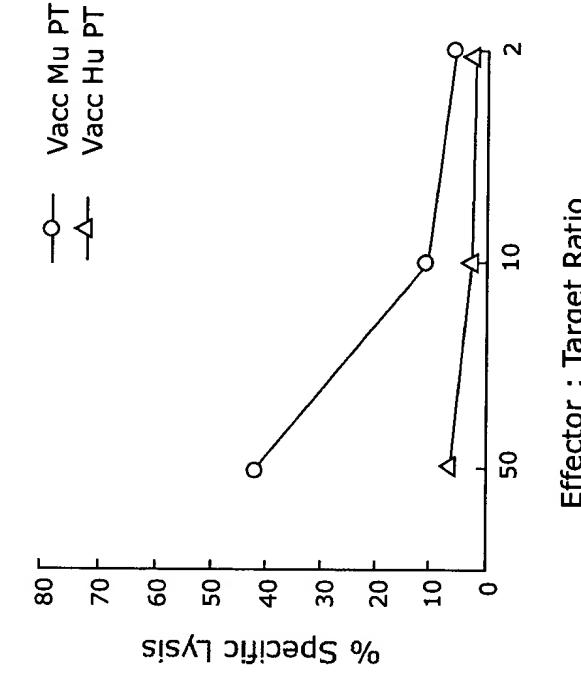


FIGURE 9b

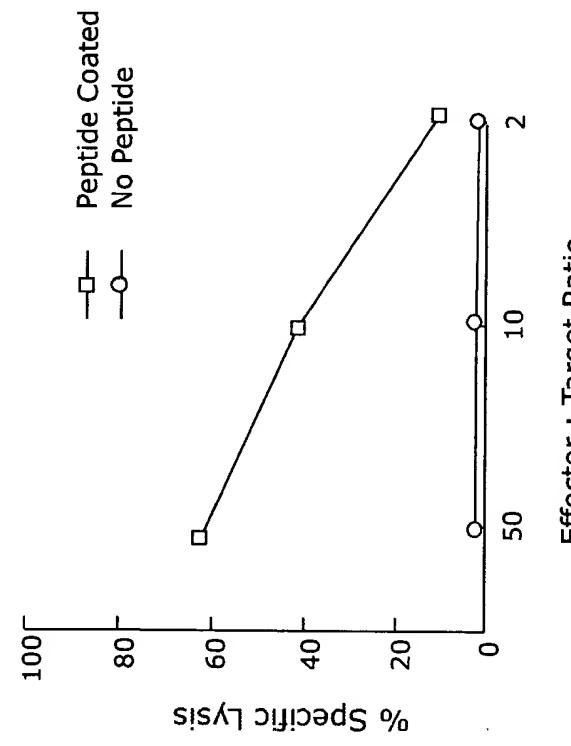
21/29

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



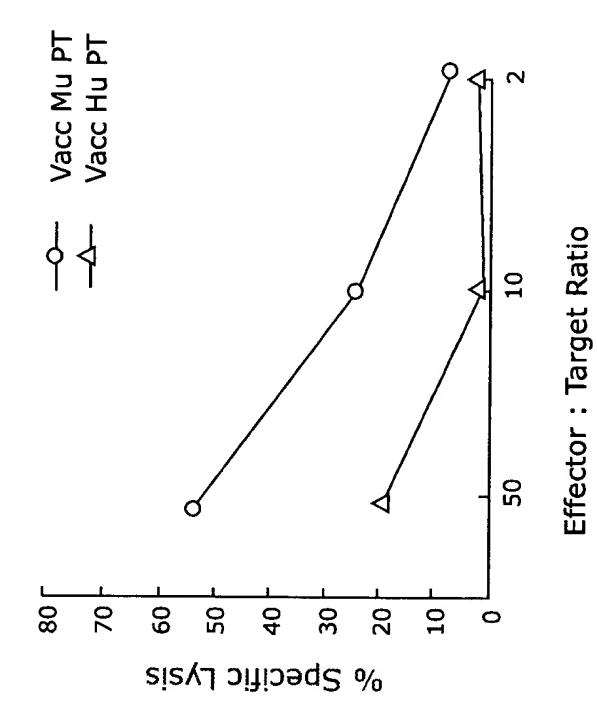
PEPTIDE COATED TARGETS

C MCMV pp89 "YPHFMPTNL"



VIRUS INFECTED TARGETS

C¹ Vaccinia Infected Targets



22/29

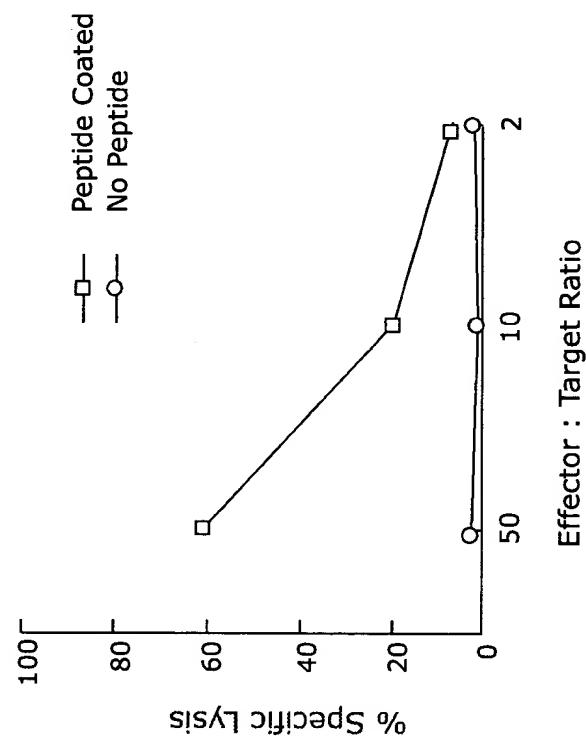
FIGURE 9c

APPROVED	O. G. F. J.
BY	CLASS
DRAFTSMAN	SUBCLASS



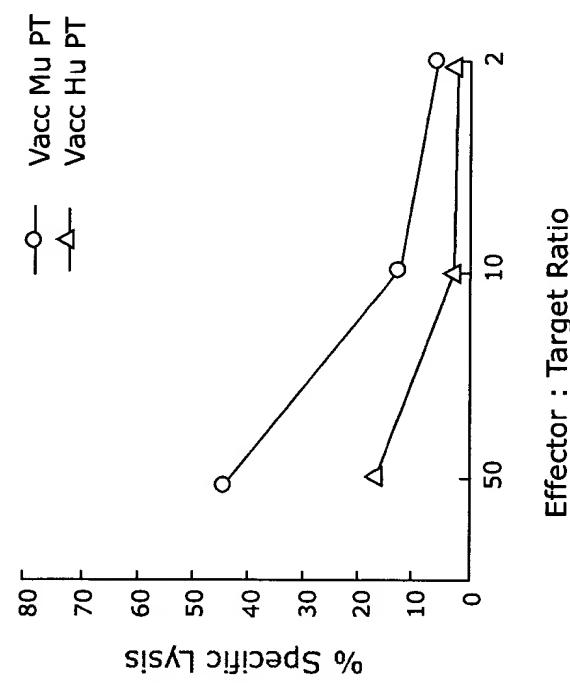
PEPTIDE COATED TARGETS

D_{LCMV NP "RPQASGVYMI"}



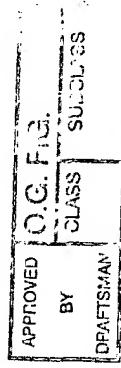
VIRUS INFECTED TARGETS

D_{Vaccinia Infected Targets}



23/29

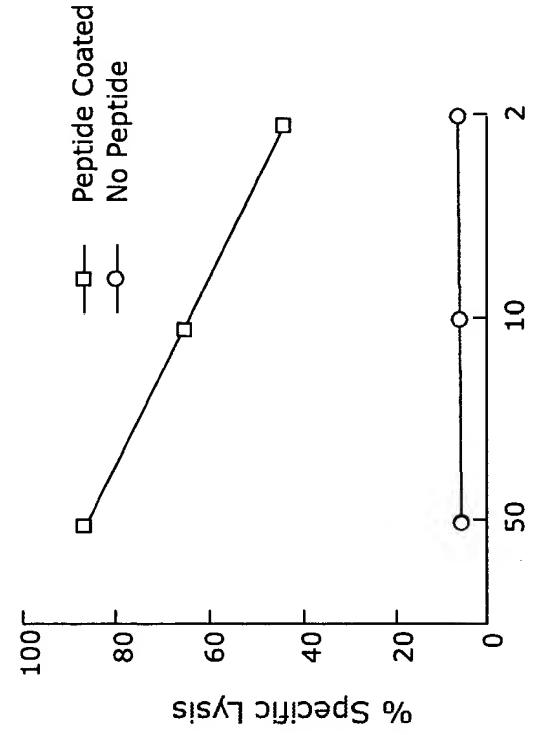
FIGURE 9d



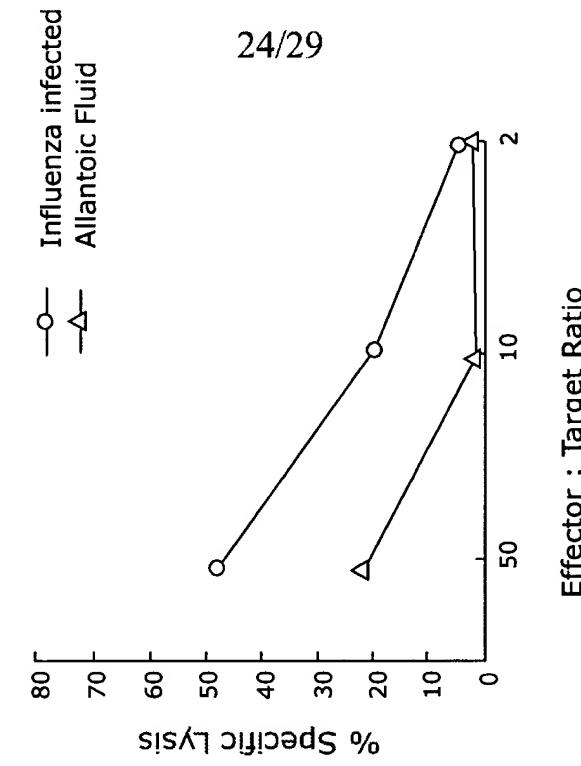
PEPTIDE COATED TARGETS

VIRUS INFECTED TARGETS

E Influenza NP "SDYEGRLI"



E Influenza Infected Targets

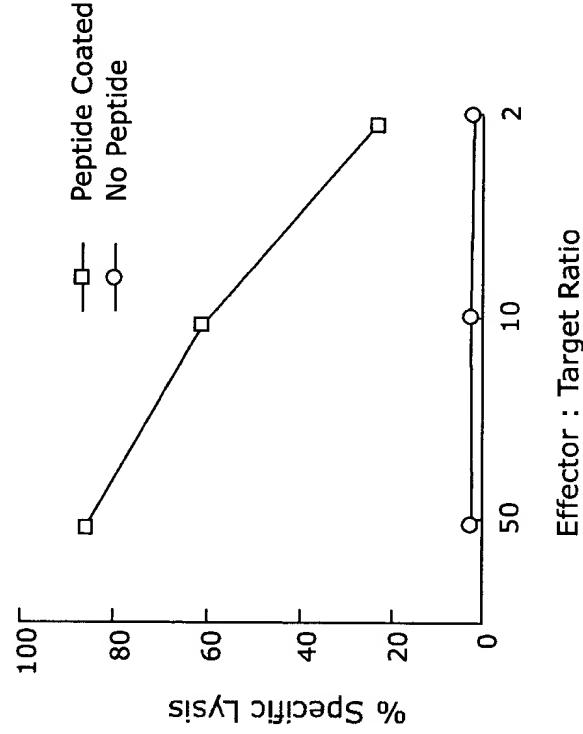


24/29

FIGURE 9e

PEPTIDE COATED TARGETS

F Influenza NS1"EEGAIVGEI"



VIRUS INFECTED TARGETS

F¹ Vaccinia Infected Targets

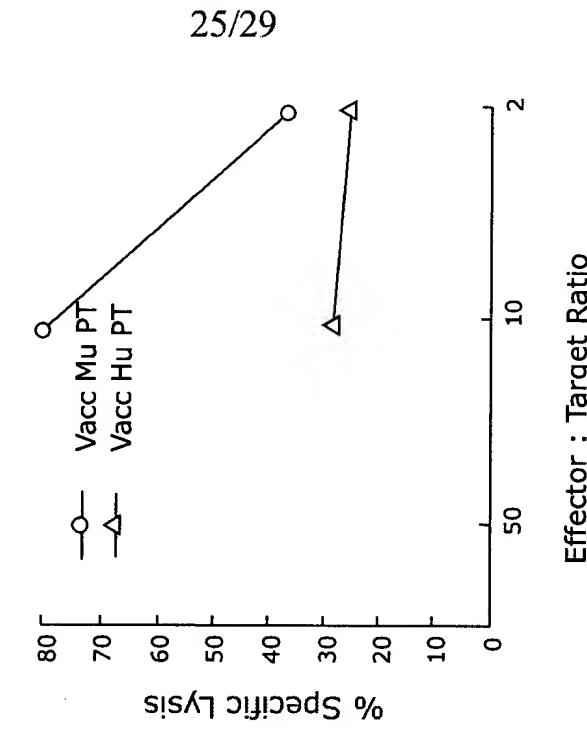
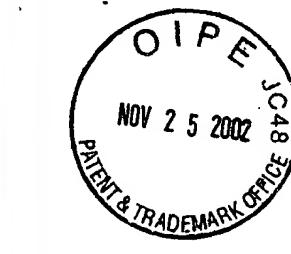
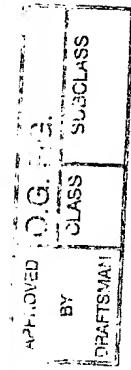


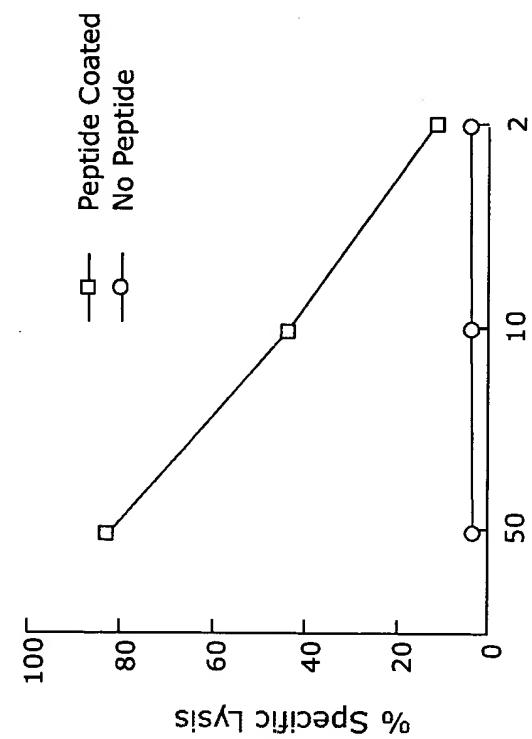
FIGURE 9f



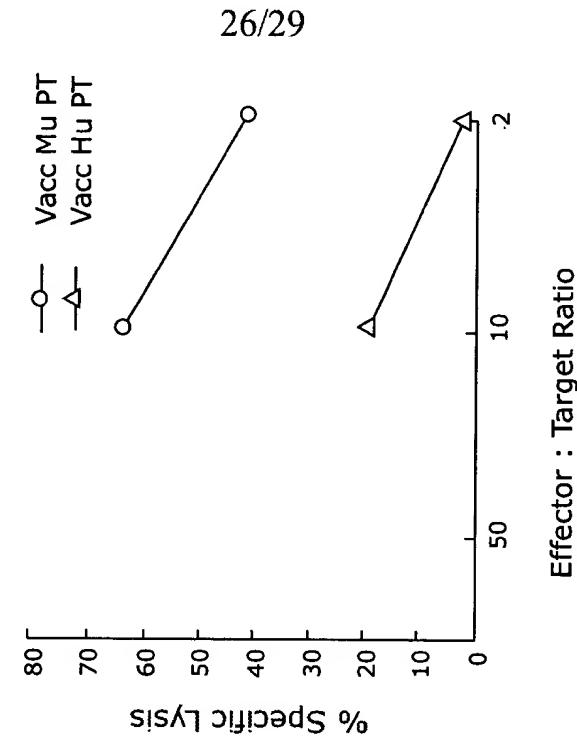
PEPTIDE COATED TARGETS

VIRUS INFECTED TARGETS

G Influenza NP "ASNNENMDAM"

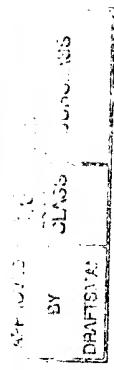


G ¹ Vaccinia Infected Targets



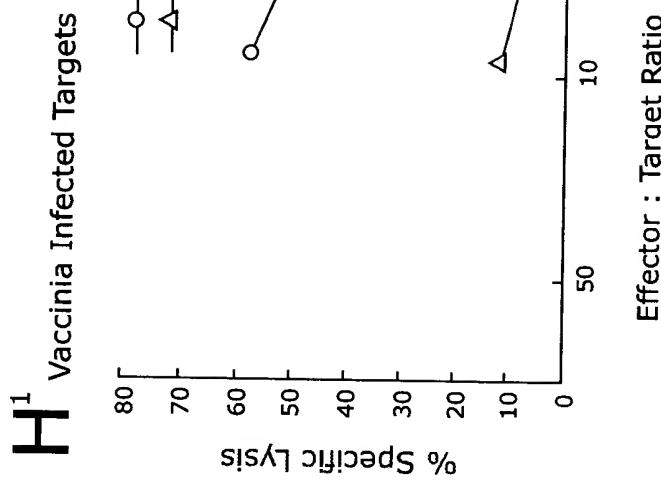
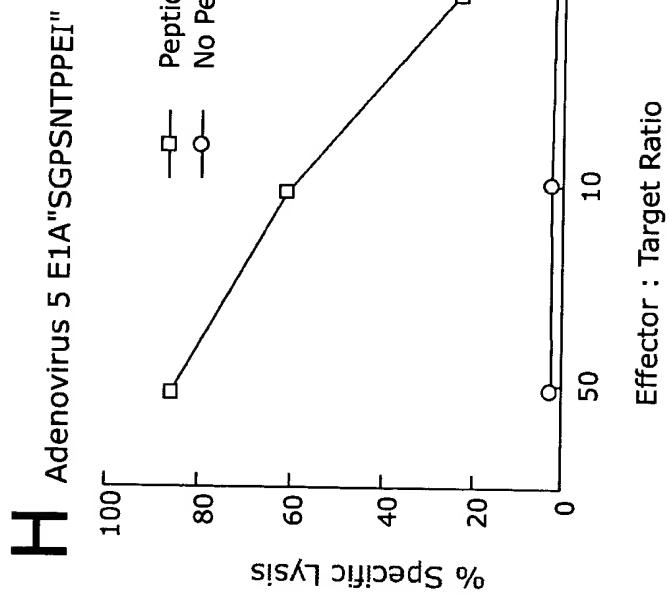
26/29

FIGURE 9g



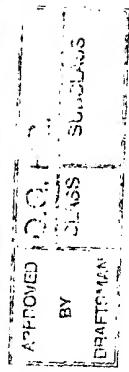
PEPTIDE COATED TARGETS

VIRUS INFECTED TARGETS



27/29

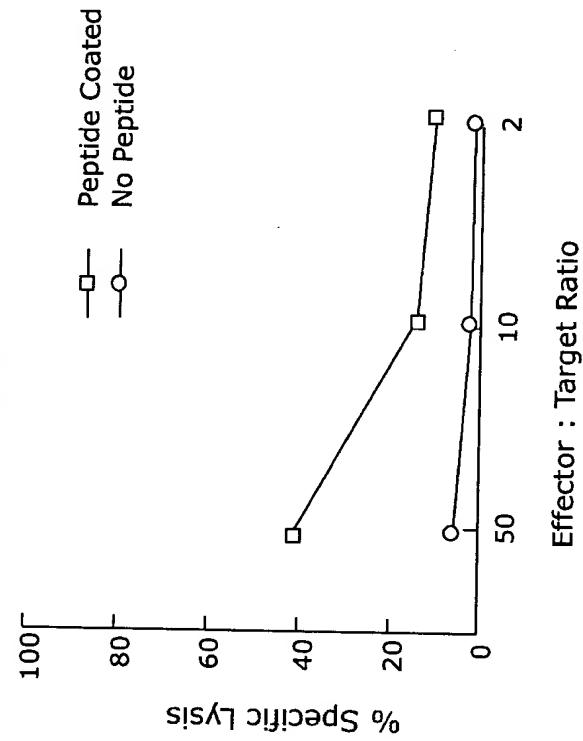
FIGURE 9h



PEPTIDE COATED TARGETS

VIRUS INFECTED TARGETS

I Ovalbumin "SIINFEKL"



I¹ Vaccinia and Tumour Targets

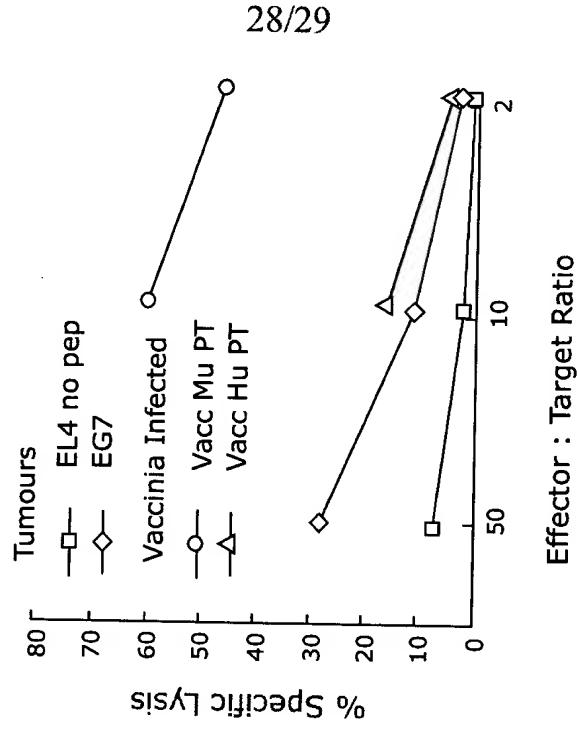
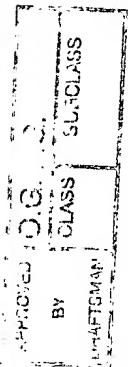
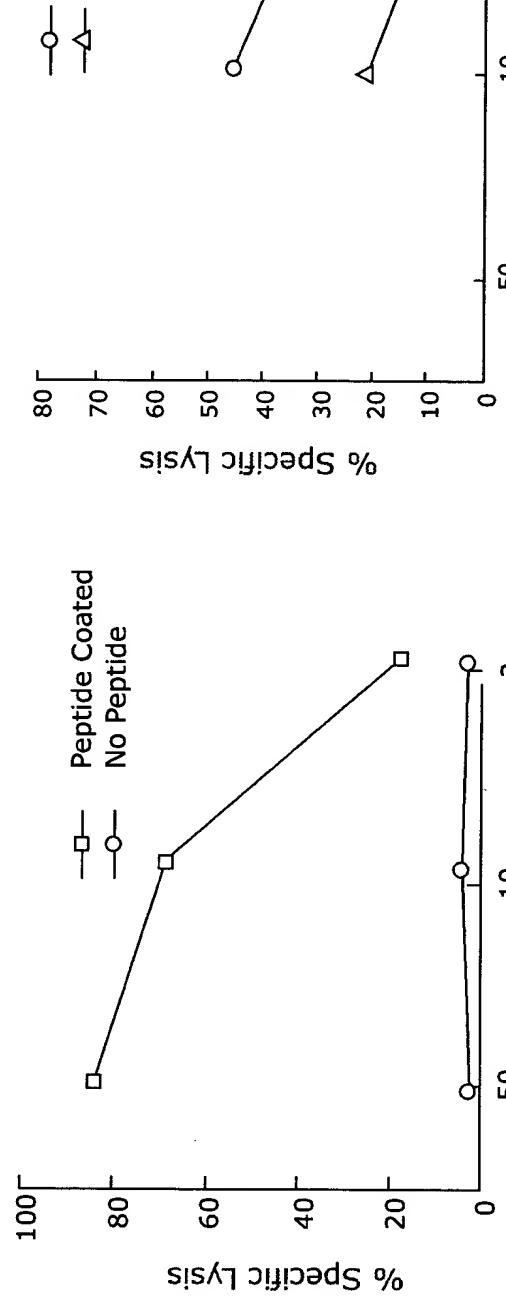


FIGURE 9i



PEPTIDE COATED TARGETS

J Sendi Virus NP "FAPGNYPAL"



VIRUS INFECTED TARGETS

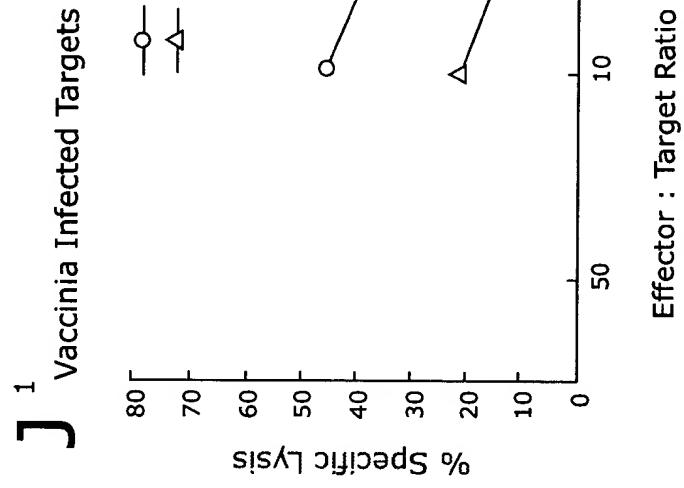


FIGURE 9j